

AUG 15 1982

30-426

Good Samaritan Hospital
ATTN: Donald F. Loeffler, M.D.
Director of Radiology
703 Tyler Street
Sandusky, Ohio 44870

License No. 34-11908-01

Gentlemen:

This refers to the special inspection conducted by Mr. P. E. Burgin of this office on July 27, 1982, of activities authorized by NRC Byproduct Material License No. 34-11908-01 and to the discussion of our findings with you and Ms. V. Kinney at the conclusion of the inspection.

The inspection was an examination of activities conducted under your license as they relate to radiation safety and to compliance with the Commission's rules and regulations and with the conditions of your license. The inspection consisted of a selective examination of procedures and representative records, observations, independent measurements, and interviews with personnel.

This inspection also included a measurement of the output of your teletherapy equipment. Our measurement was made using a Victoreen Model 570 Condenser R-Meter with Model 621 chamber, calibrated by the National Bureau of Standards Laboratory. The source-to-chamber distance was 80 centimeters and the field size used was ten by ten centimeters. After applying standard correction factors for temperature, pressure, attenuation, inverse square, timer error, chamber correction factor and roentgen-to-rad conversion, our measurement of the output of your teletherapy equipment was 66.76 rads per minute at the point of maximum buildup in a muscle miniphantom. The most recent monthly spot check of your teletherapy equipment, corrected to July 15, 1982, reported a measured output for the same exposure parameters of 67.2 rads per minute. Applying a correction factor to account for 12 days decay, the value calculated from the July 15, 1982, spot check becomes 66.88 rads per minute.

Based on the close agreement in measured output values, we feel the actual output of your teletherapy equipment to be within established guidelines of ± 5 percent.

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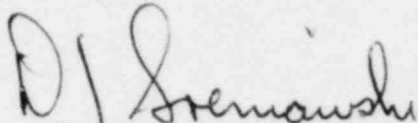
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No items of noncompliance with NRC requirements were identified during the course of this inspection.

We will gladly discuss any questions you have concerning this inspection.

Sincerely,



D. J. Sreniawski, Chief
Materials Radiation Protection
Section 2

cc: DMB/Document Control Desk (RIDS)

RIII
for
Burgin/av
8/5/82

RIII
DJS
Sreniawski
8/12/82

R/V
DJS
Miller